A2575-1 11/8/82

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 63 For Week Ended OCTOBER 29, 1982 NO. 43

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

ALL DATA ARE ESTIMATES MADE BY THE API BASED ON DATA FROM REPORTING COMPANIES.

	Current Week Ending: 10/29/82	Last Week Ending: 10/22/82	Last Year Week Ending: 10/30/81	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units	11,907	11,889	12,452	+ 18	- 545
Operable capacity	16,663	16,663	18,230	0	- 1,567
Percent operated	71.5	71.3	68.3		
Motor Gasoline					
Motor gasoline production	6,374	6,207	6,373	+ 167	+ 1
Refinery shipments of unleaded motor gasoline	3,519	3,550	3,374	- 31	+ 145
Total Motor gasoline stocks	231,934	233,194	236,480	- 1,260	- 4,546
Finished unleaded motor gasoline stock	96,509	96,769	91,743	- 260	+ 4,766
Distillate Fuel Oil					
Distillate fuel oil production	2,920	2,890	2,546	+ 30	+ 374
Distillate fuel oil stocks	168,901	169,590	200,785	- 689	- 31,884
Residual Fuel Oil					
Residual fuel oil production	976	1,046	1,301	- 70	- 325
Residual fuel oil stocks	60,947	60,746	75,349	+ 201	- 14,402
Imports					
Crude oil imports	3,512	3,758	3,966	- 246	- 454
Product imports	1,609	1,260	951	+ 349	+ 658
Crude Oil Stocks					
Crude oil stocks	353,071	351,321	365,997	+ 1,750	- 12,926

TOTAL U.S. DATA FOR THE CURRENT WEEK'S REFINERY OPERATIONS, PRODUCTION, STOCKS AND IMPORTS ARE NOW AVAILABLE THROUGH A PRE-RECORDED TELEPHONE MESSAGE. THE TELEPHONE NUMBER FOR THIS SERVICE IS AREA CODE (202) 457-7147.

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STATISTICS DEPARTMENT
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U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Foreign Crude Runs[1]	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,205	1,084	1,019	1,111	1,569	70.8
Appal. No. 1	56	53	--	55	98	56.1
DISTRICT 1 TOTAL	1,261	1,137	1,019	1,166	1,667	69.9
Appal. No. 2	62	58	5	62	66	93.9
Ind., Ill., Ky.	1,593●	1,366●	462	1,430	2,399	59.6
Minn., Wis., Daks.	291	263	123	286	293	97.6
Okla., Kans., Mo.	749	673	42	686	858	80.0
DISTRICT 2 TOTAL	2,695●	2,360●	632	2,464	3,616	68.1
Inland Texas	533	459	14	489	592	82.6
Texas Gulf Coast	3,237	2,922	977	2,962	3,993	74.2
La. Gulf Coast	2,294	2,015	683	2,114	2,728	77.5
N. La. and Ark.	189	170	15	172	314	54.8
New Mexico	111	81	--	85	117	72.6
DISTRICT 3 TOTAL	6,364	5,647	1,689	5,822	7,744	75.2
DISTRICT 4 TOTAL	449	427	46	434	553	78.5
DISTRICT 5 TOTAL	2,030	1,983	216	2,021	3,083	65.6
TOTAL U.S.	12,799	11,554	3,602	11,907	16,663	71.5
TOTAL U.S. Weeks Ended:						
OCT. 22, 1982	12,813●	11,522●	3,360	11,889	16,663	71.3
OCT. 30, 1981	13,049	12,123	4,007	12,452	18,230	68.3
DISTRICTS 1--4 Weeks Ended:						
OCT. 29, 1982	10,769	9,571	3,386	9,886	13,580	72.8
OCT. 22, 1982	10,752●	9,676●	3,165	9,986	13,580	73.5
OCT. 30, 1981	10,876	10,108	3,813	10,406	15,068	69.1

[1] Included in the Crude Oil Runs to Distillation Units.

● *SEE REVISIONS ON PAGE 7.*

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 29, 1982

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	641	372	14	42	36	290	98
Appal. No. 1	13	6	1	--	--	17	2
DISTRICT 1 TOTAL	654	378	15	42	36	307	100
Appal. No. 2	35	22	--	3	--	14	4
Ind., Ill., Ky.	901	554	13	79	15	362	50
Minn., Wis., Daks.	152	105	1	5	1	77	12
Okla., Kans., Mo.	463	198	15	36	--	257	20
DISTRICT 2 TOTAL	1,551	879	29	123	16	710	86
Inland Texas	249	159	28	21	2	119	22
Texas Gulf Coast	1,482	926	29	208	27	815	227
La. Gulf Coast	1,118	527	9	244	54	429	182
N. La. and Ark.	61	15	7	--	--	53	17
New Mexico	57	21	4	--	7	51	6
DISTRICT 3 TOTAL	2,967	1,648	77	473	90	1,467	454
DISTRICT 4 TOTAL	243	83	14	14	2	114	9
DISTRICT 5 TOTAL	959	531	46	211	--	322	327
TOTAL U.S.	6,374	3,519	181	863	144	2,920	976
TOTAL U.S. Weeks Ended:							
OCT. 22, 1982	6,207	3,550	179	849	108	2,890	1,046
OCT. 30, 1981	6,373	3,374	219	722	90	2,546	1,301
DISTRICTS 1—4 Weeks Ended:							
OCT. 29, 1982	5,415	2,988	135	652	144	2,598	649
OCT. 22, 1982	5,303	3,020	136	640	106	2,579	696
OCT. 30, 1981	5,441	2,821	180	515	87	2,212	927

[1] Refinery shipments only.
[2] Includes Grade No. 4 fuel oil.

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 29, 1982

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
New England	5,589●	2,881●	109	733	901	15,993●	2,506	--
Central Atlantic	29,726●	13,953●	240	4,756	2,062	43,918●	22,485●	14,342
Lower Atlantic	26,652●	14,179●	94	3,615	1,437	16,036●	5,997●	513
East Coast	57,836●	28,820●	414	8,808	4,119	72,799●	30,676●	13,734
Appal. No. 1	4,131●	2,193	29	296	281	3,148●	312●	1,121
DISTRICT 1 TOTAL	61,967●	31,013●	443	9,104	4,400	75,947●	30,988●	14,855
Appal. No. 2	2,968	1,339	4	195	315	2,213	263	141
Ind., Ill., Ky.	36,820	15,684	456	4,309	2,275	23,561	3,168	13,932
Minn., Wis., Daks.	6,983	2,712	147	475	130	6,482	438	555
Okla., Kans., Mo.	19,867	7,633	575	2,141	421	12,495	1,075●	5,846
DISTRICT 2 TOTAL	66,638	27,368	1,182	7,120	3,141	44,751	4,944●	20,474
Inland Texas	7,182	2,948	528	1,383	119	3,344	303	2,946
Texas Gulf Coast	30,054	10,713●	1,065	4,251	1,279	16,817	7,319●	28,169
La. Gulf Coast	19,998	6,217	545	3,886	929	9,580	6,393	16,012
N. La. and Ark.	10,701	6,090	400	1,924	280	5,761	507	1,059
New Mexico	740	238	442	104	30	439	80	437
DISTRICT 3 TOTAL	68,675	26,206●	2,980	11,548	2,637	35,941	14,602●	48,623
DISTRICT 4 TOTAL	6,348●	1,692	346	770	45	3,116	466	2,886
DISTRICT 5 TOTAL	28,306	10,230	1,255	5,877	248	9,146	9,947●	24,877
TOTAL U.S.	231,934	96,509 *	6,206	34,419	10,471	168,901	60,947	111,715
TOTAL U.S. Weeks Ended:								
OCT. 22, 1982	233,194●	96,769●	6,295	34,140	10,931	169,590●	60,746●	114,396
OCT. 30, 1981	236,480	91,743	6,060	36,274	12,392	200,785	75,349	110,139
DISTRICTS 1—4 Weeks Ended:								
OCT. 29, 1982	203,628	86,279	4,951	28,542	10,223	159,755	51,000	86,838
OCT. 22, 1982	205,212●	86,620●	4,974	28,328	10,603	159,870●	51,116●	89,539
OCT. 30, 1981	207,177	81,298	4,779	30,177	12,099	188,773	65,821	90,734

[1] Included in Total Motor Gasoline stocks.
[2] Includes Grade No. 4 fuel oil

● *SEE REVISIONS ON PAGE 7.*

**INCLUDES* 23,114● *BBLS OF FINISHED UNLEADED MOTOR GASOLINE AT REFINERIES AS FOLLOWS:*
DIST. 1: 3,267 *DIST. 2:* 5,862 *DIST. 3:* 9,013● *DIST. 4:* 607 *DIST. 5:* 4,365

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 29, 1982

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *JUNE* 1982	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	----------Daily Average----------				
DISTRICTS 1—4 TOTAL					
OCT. 29, 1982	5,882.5	5,864.0	3,304	142	258,944
OCT. 22, 1982	5,882.5	--	3,594	129	254,779
OCT. 15, 1982	5,882.5	--	3,058	134	249,181
OCT. 8, 1982	5,882.5	--	3,307	161	251,023
DISTRICT 5 TOTAL					
OCT. 29, 1982	2,797.9	2,768.0	208	14	94,127 *
OCT. 22, 1982	2,797.9	--	164	--	96,542
OCT. 15, 1982	2,797.9	--	145	28	91,009
OCT. 8, 1982	2,797.9	--	292	16	97,330
TOTAL U.S.					
OCT. 29, 1982	8,680.4	8,632.0	3,512	156	353,071 *
OCT. 22, 1982	8,680.4	--	3,758	129	351,321
OCT. 15, 1982	8,680.4	--	3,203	162	340,190
OCT. 8, 1982	8,680.4	--	3,599	177	348,353
OCT. 30, 1981	8,546.5 */A*	--	3,966	159	365,997

**INCLUDES 38,549 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.*

/A - DOE ACTUAL FOR OCTOBER 1981.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	Week Ended *OCT.* 29, 1982 Domestic	Foreign	Total	Week Ended *OCT.* 30, 1981 Domestic	Foreign	Total
PAD District 1	4,254	13,547	17,801	4,813	15,736	20,549
PAD District 2	59,981	11,740	71,721	68,265	10,981	79,246
PAD District 3	116,528	40,664	157,192	125,599	43,117	168,716
PAD District 4	10,778	1,452	12,230	16,089	837	16,926
TOTAL PAD DISTRICTS 1—4	191,541	67,403	258,944	214,766	70,671	285,437
PAD District 5	89,794	4,333	94,127 *	73,604	6,956	80,560
TOTAL U.S.	281,335	71,736	353,071 *	288,370	77,627	365,997

[1] See definitional notes, Page 6.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel Naphtha Type	Jet Fuel Kerosine Type	Kerosine	Distillate Fuel Oil	Grade No. 4 Fuel Oil	Residual Fuel Oil	L.P.G.	Petro-chemical Feedstocks	Special Naphtha	Plant Condensate	Asphalt	Unfinished Oil[2]	Total
New England	76	--	--	--	--	--	--	117	3	--	--	--	--	--	196
Central Atlantic	147	47	5	12	59	88	--	355	3	4	--	--	2	127	802
Lower Atlantic	--	--	--	--	--	--	--	141	--	--	--	--	--	--	141
DISTRICT 1 TOTAL[2]															
OCT. 29, 1982	223	47	5	12	59	88	--	613	6	4	--	--	2	127	1,139
OCT. 22, 1982	115	56	13	7	10	112	--	627	4	--	--	--	2	38	928
OCT. 15, 1982	94	44	--	--	4	66	--	354	4	--	31	--	--	114	667
OCT. 8, 1982	134	46	--	--	5	68	--	478	10	--	--	--	6	36	737
DISTRICTS 2—4 TOTAL															
OCT. 29, 1982	12	3	--	--	--	5	--	61	193	39	7	7	--	42	366
OCT. 22, 1982	11	2	--	--	--	3	--	64	124	--	1	3	--	38	244
OCT. 15, 1982	15	2	--	--	--	6	--	50	107	--	16	--	--	70	264
OCT. 8, 1982	16	3	--	--	--	6	--	83	154	--	4	6	--	27	296
DISTRICT 5 TOTAL															
OCT. 29, 1982	59	14	1	2	--	7	--	10	14	--	--	1	--	10	104
OCT. 22, 1982	41	13	3	7	--	9	--	15	12	--	--	1	--	--	88
OCT. 15, 1982	91	14	--	--	--	6	--	25	14	--	--	1	--	16	153
OCT. 8, 1982	38	13	--	--	--	4	--	25	13	--	--	1	--	83	164
TOTAL U.S.	294	64	6	14	59	100	--	684	213	43	7	8	2	179	1,609
TOTAL U.S. Weeks Ended:															
OCT. 22, 1982	167	71	16	14	10	124	--	706	140	--	1	4	2	76	1,260
OCT. 15, 1982	200	60	--	--	4	78	--	429	125	--	47	1	--	200	1,084
OCT. 8, 1982	188	62	--	--	5	78	--	586	177	--	4	7	6	146	1,197
OCT. 30, 1981	95	41	--	8	8	80	--	556	157	--	3	18	--	26	951

[1] Included in Total Motor Gasoline imports.
[2] See definitional notes, Page 6.

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded motor gasoline represent only finished, unleaded motor gasoline located at refineries, pipelines and bulk terminals. These stocks are also included in "total motor gasoline stocks." However, a large part of the motor gasoline stocks at refineries consist of components which may be blended to produce either leaded or unleaded motor gasoline. For that reason, these stocks cannot be classified as either finished unleaded or leaded motor gasoline. Therefore, it is incorrect to assume that the difference between total motor gasoline stocks and finished, unleaded motor gasoline stocks is equal to leaded motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and Dist. of Col.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE montly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

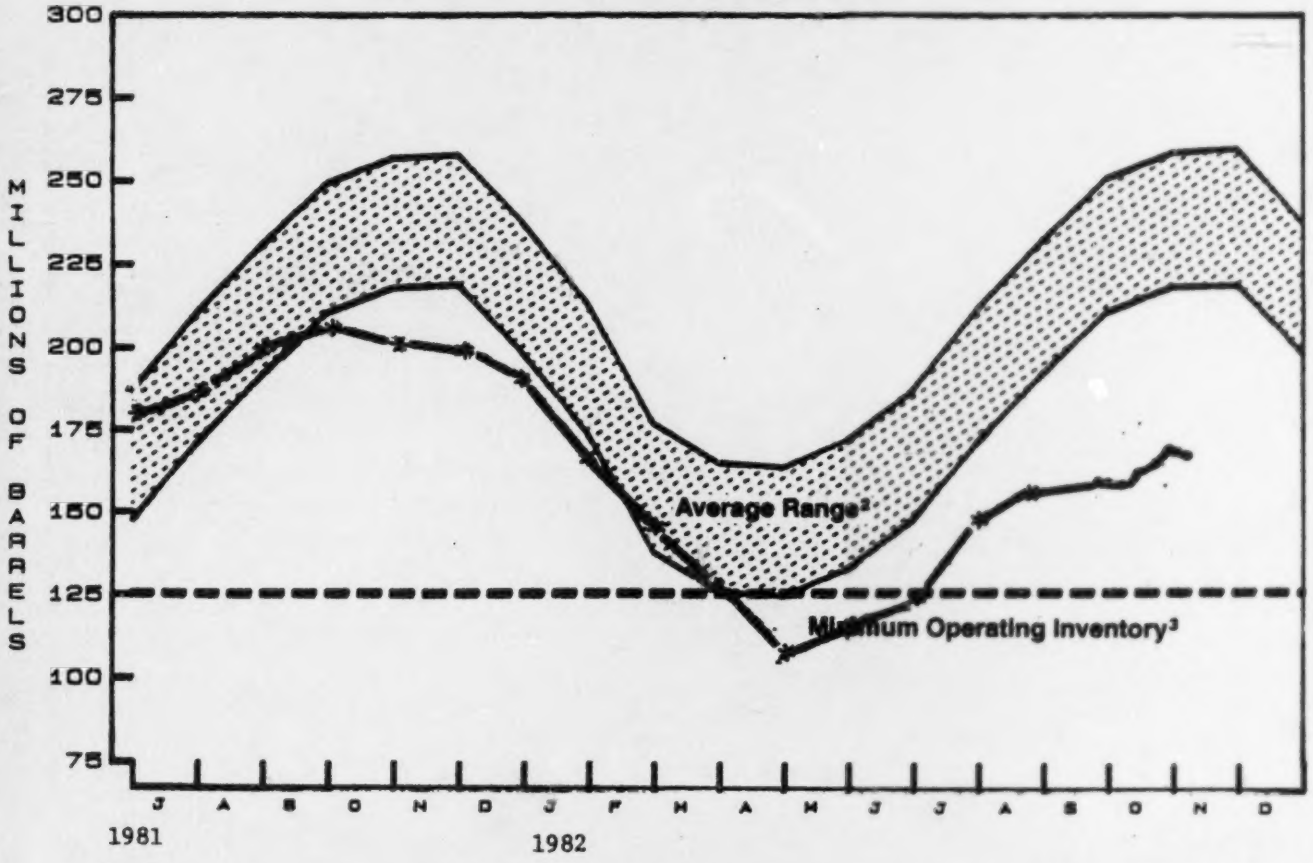
10/22/82	PAGE 1	TOTAL REFINERY INPUT	IND., ILL., KY.	1,730
			DISTRICT 2 TOTAL	2,880
			TOTAL U.S.	12,813
			DISTRICTS 1-4	10,752
		CRUDE OIL RUNS	IND., ILL., KY.	1,534
			DISTRICT 2 TOTAL	2,602
			TOTAL U.S.	11,522
			DISTRICTS 1-4	9,676
	PAGE 3	TOTAL MGAS	NEW ENGLAND	5,434
			CENTRAL ATLANTIC	29,592
			LOWER ATLANTIC	26,869
			EAST COAST	57,882
			APPAL. NO. 1	4,013
			DISTRICT 1 TOTAL	61,895
			DISTRICT 4 TOTAL	6,175
			TOTAL U.S.	233,194
			DISTRICTS 1-4	205,212
		UNLEADED MGAS	NEW ENGLAND	2,810
			CENTRAL ATLANTIC	13,458
			LOWER ATLANTIC	14,808
			EAST COAST	28,909
			DISTRICT 1 TOTAL	31,076
			TEXAS GULF COAST	10,008
			DISTRICT 3 TOTAL	24,852
			TOTAL U.S.	96,769
			DISTRICTS 1-4	86,620
		DISTILLATE FUEL	NEW ENGLAND	15,395
			CENTRAL ATLANTIC	43,400
			LOWER ATLANTIC	15,430
			EAST COAST	70,970
			APPAL. NO. 1	3,255
			DISTRICT 1 TOTAL	74,225
			TOTAL U.S.	169,590
			DISTRICTS 1-4	159,870
		RESIDUAL FUEL	CENTRAL ATLANTIC	21,091
			LOWER ATLANTIC	5,774
			EAST COAST	29,718
			APPAL. NO. 1	233
			DISTRICT 1 TOTAL	29,951

-- CONTINUED --

REVISIONS

	OKLA., KANS., MO.	978
	DISTRICT 2 TOTAL	4,860
	TEXAS GULF COAST	7,760
	DISTRICT 3 TOTAL	15,796
	DISTRICT 5 TOTAL	9,630
	TOTAL U.S.	60,746
	DISTRICTS 1-4	51,116
UMGAS AT REF.	DISTRICT 3 TOTAL	9,643
	TOTAL U.S.	22,866

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1978-June 1981. The seasonal pattern is based on seven years of monthly data: January 1973-December 1979.

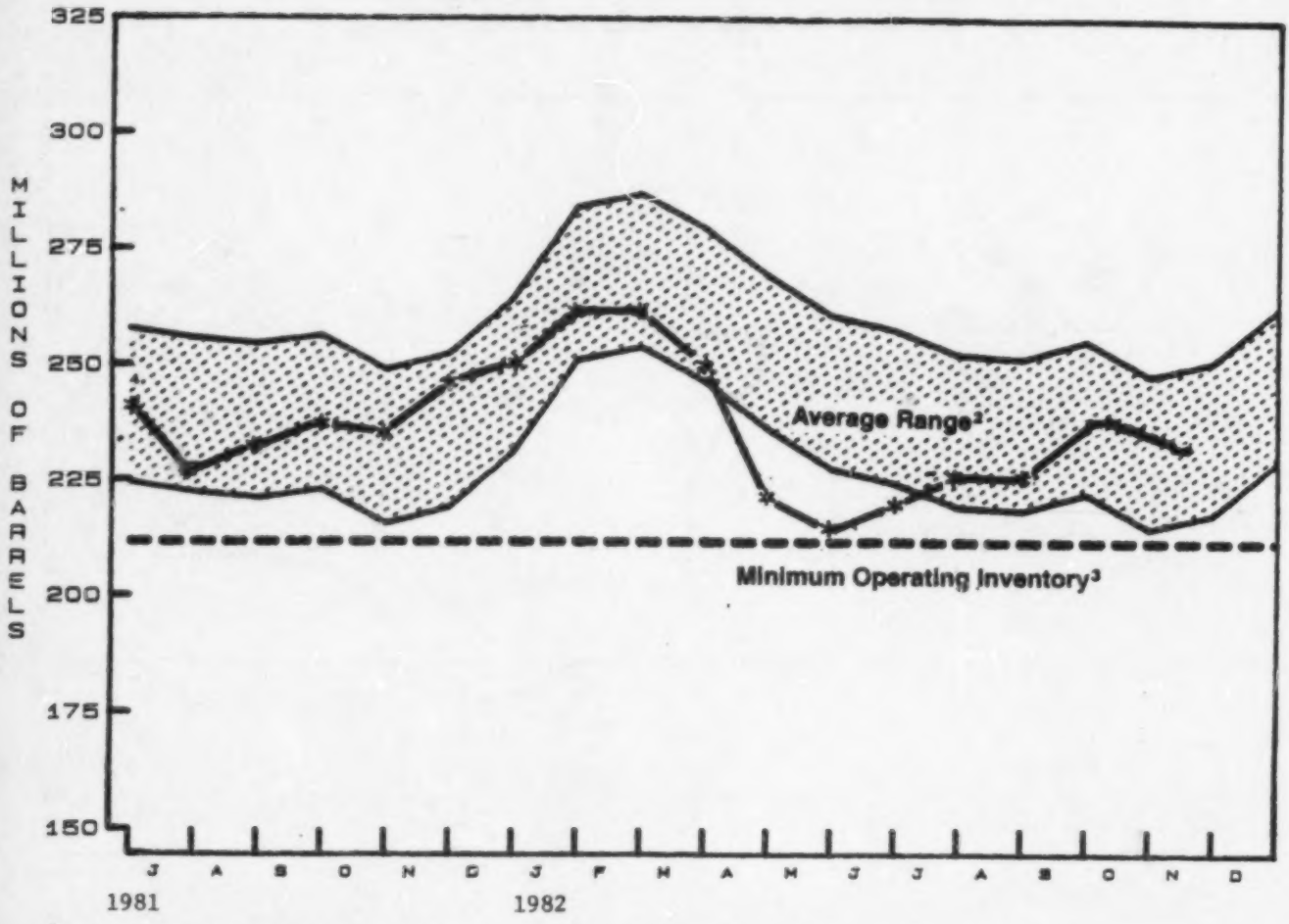
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
*-- EIA, Preliminary Data, "Monthly Petroleum Statistics Report."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week Ended OCTOBER 29, 1982

Motor Gasoline Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1978-June 1981. The seasonal pattern is based on seven years of monthly data: January 1973-December 1979.

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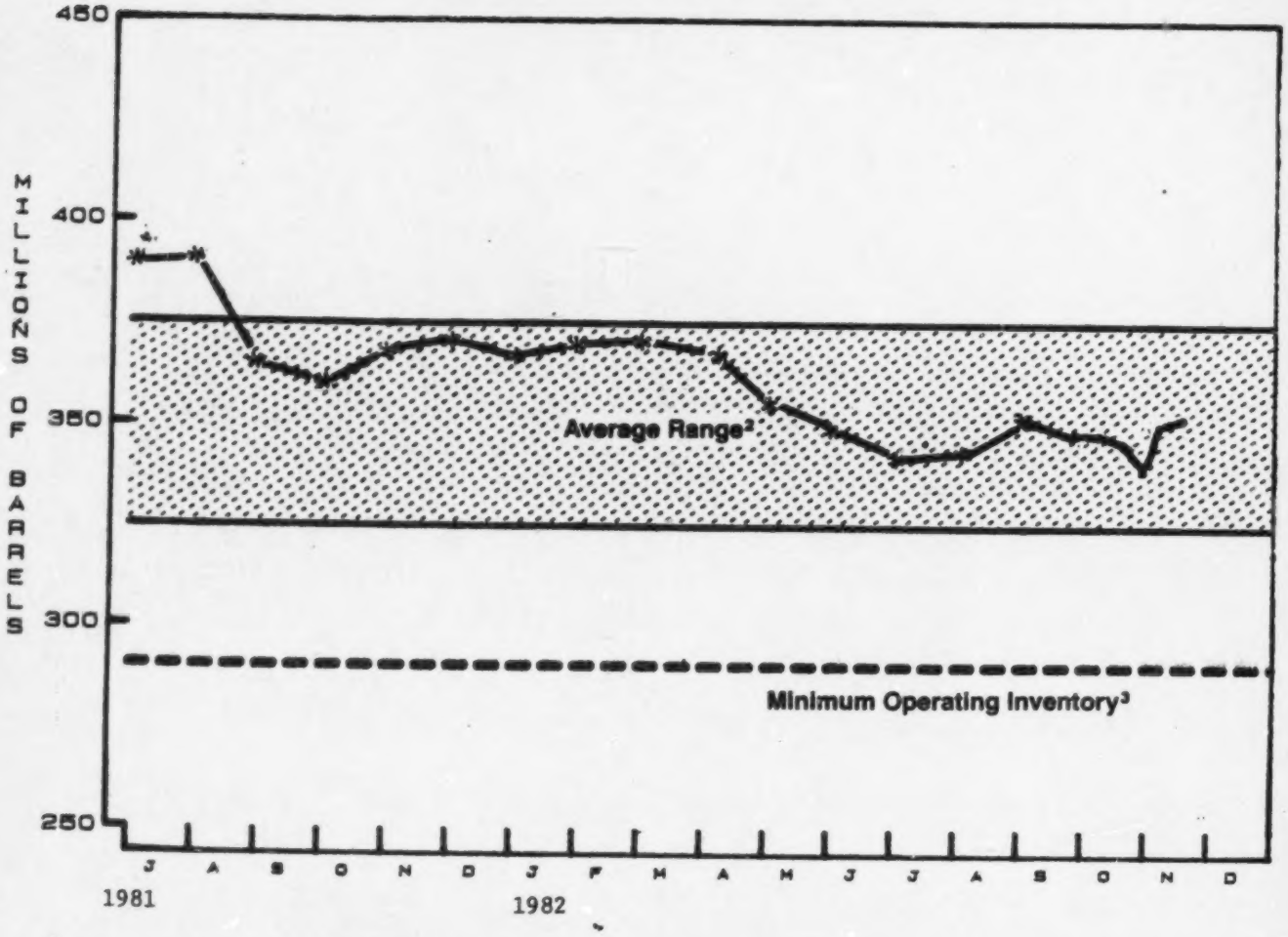
*-- EIA, Preliminary Data, "Monthly Petroleum Statistics Report."
●— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1978-June 1981. The seasonal pattern is based on seven years of monthly data: January 1973-December 1979.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
*-- EIA, Preliminary Data, "Monthly Petroleum Statistics Report."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.